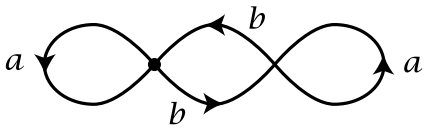
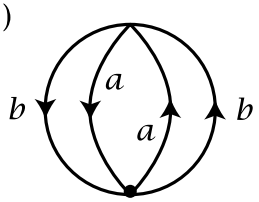
Some Covering Spaces of $S^1 \vee S^1$

(1)



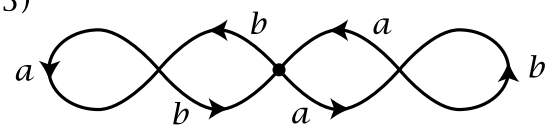
$\langle a,\ b^2,\ bab^{-1} \rangle$

(2)



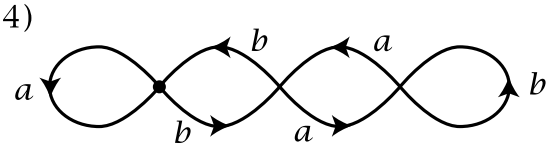
$\langle a^2,\ b^2,\ ab \rangle$

(3)



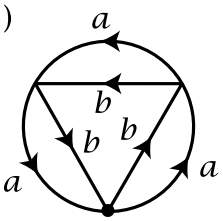
$\langle a^2,\ b^2,\ aba^{-1},\ bab^{-1} \rangle$

(4)



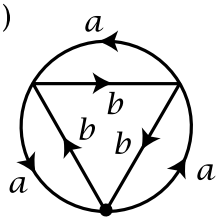
$\langle a,\ b^2,\ ba^2b^{-1},\ baba^{-1}b^{-1} \rangle$

(5)



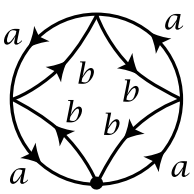
$\langle a^3,\ b^3,\ ab^{-1},\ b^{-1}a \rangle$

(6)



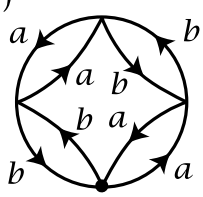
$\langle a^3,\ b^3,\ ab,\ ba \rangle$

(7)



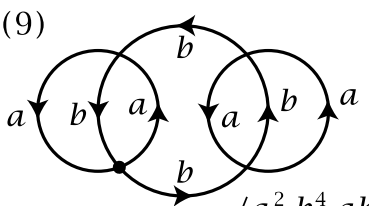
$\langle a^4,\ b^4,\ ab,\ ba,\ a^2b^2 \rangle$

(8)



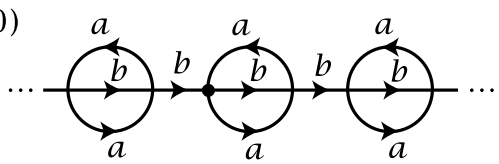
$\langle a^2, b^2, (ab)^2, (ba)^2, ab^2a \rangle$

(9)



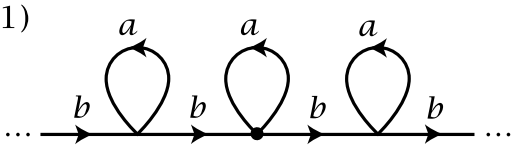
$\langle a^2,\ b^4,\ ab,\ ba^2b^{-1},\ bab^{-2} \rangle$

(10)



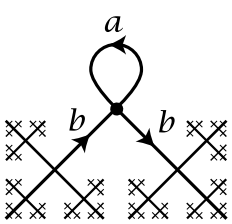
$\langle\, b^{2n}ab^{-2n-1},\ b^{2n+1}ab^{-2n} \mid n \in \mathbb{Z} \,\rangle$

(11)



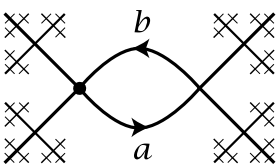
$\langle\, b^nab^{-n} \mid n \in \mathbb{Z} \,\rangle$

(12)



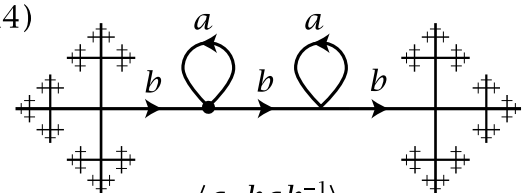
$\langle a \rangle$

(13)



$\langle ab \rangle$

(14)



$\langle a,\, bab^{-1} \rangle$